

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P179258

Luminaire Tested: **UTLD-E01-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179258
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-SL3-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1306.5 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



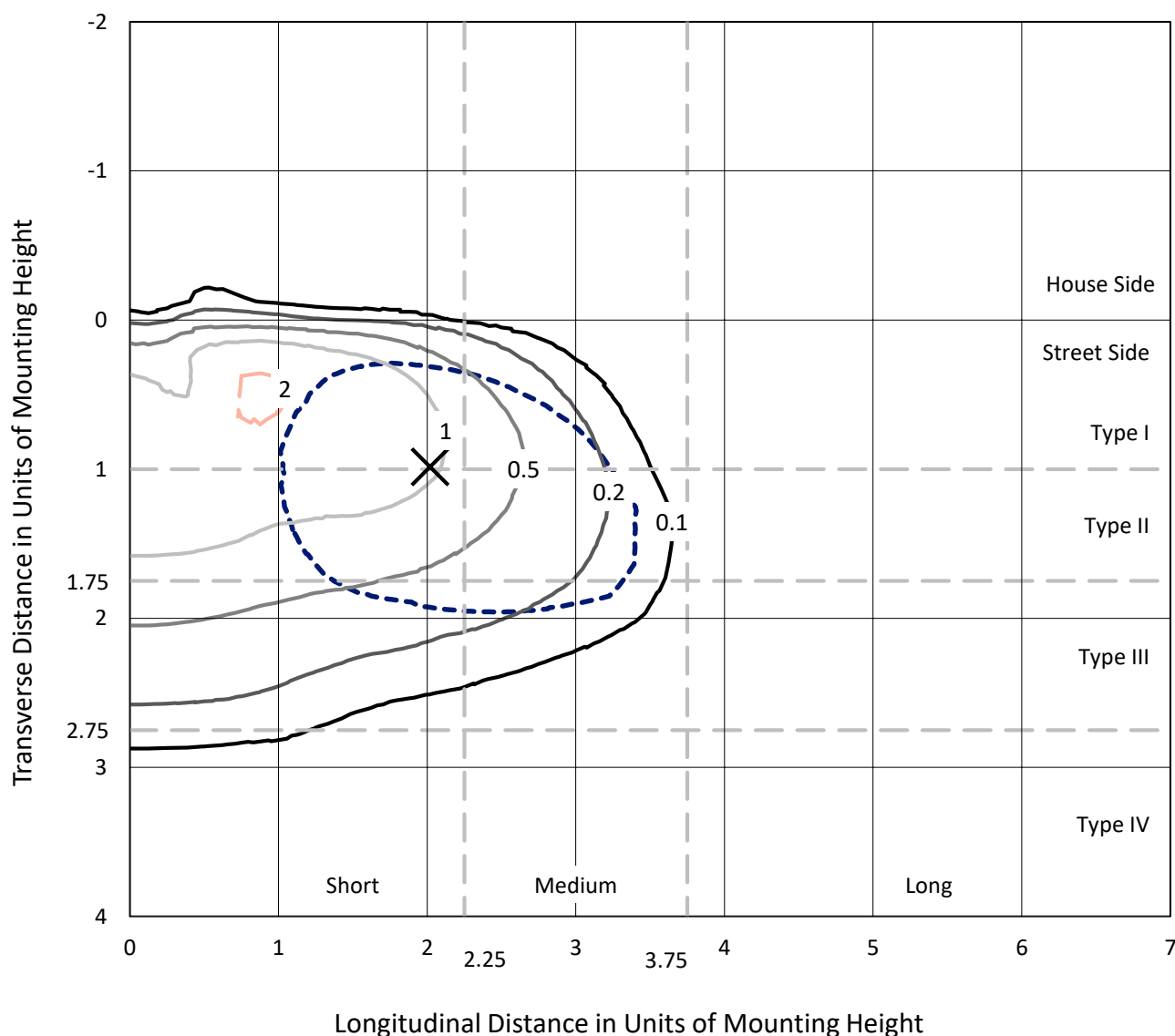
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

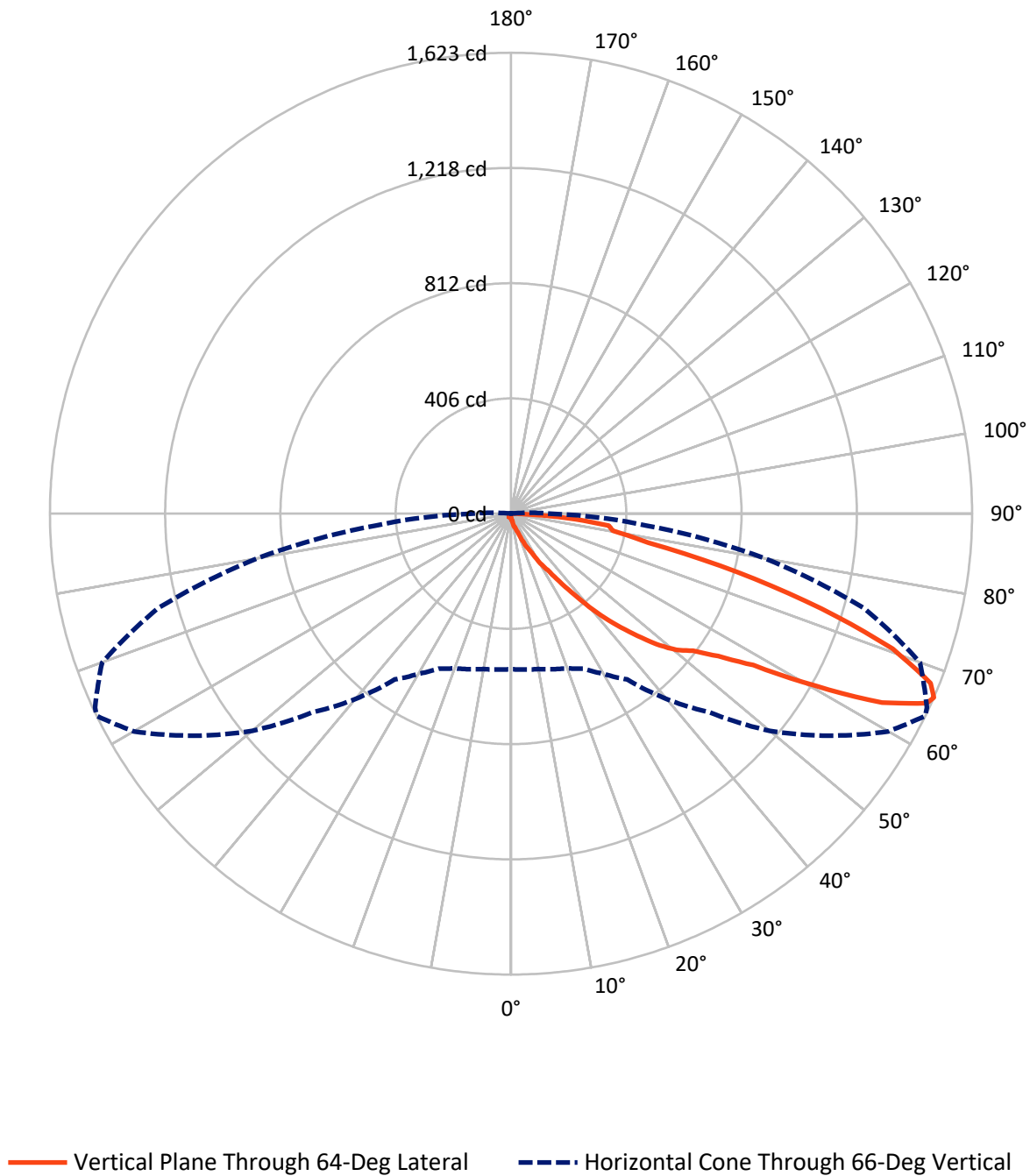


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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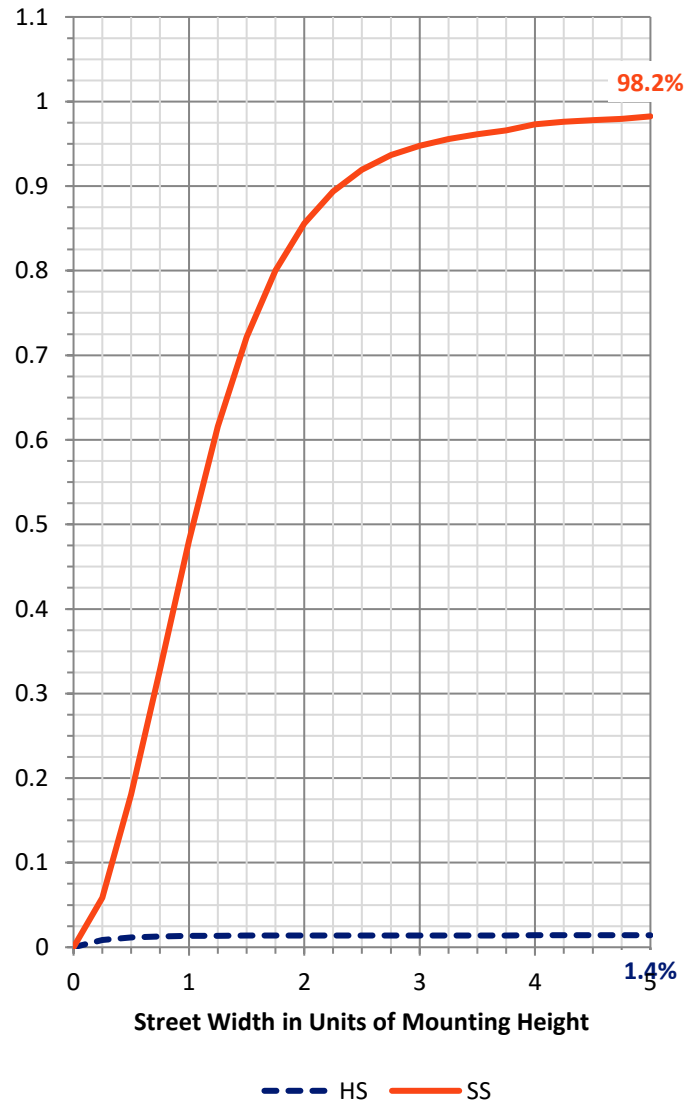
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.1	0.0	19.1
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	1287.4	0.0	1287.4
	% Fixture	98.5	0.0	98.5
Total	Lumens	1306.5	0.0	1306.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	10.2	0.8
20°-30°	31.2	2.4
30°-40°	83.0	6.4
40°-50°	193.1	14.8
50°-60°	329.2	25.2
60°-70°	434.6	33.3
70°-80°	195.0	14.9
80°-90°	28.4	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1306.5	100.0
0°-180°	1306.5	100.0

Coefficient of Utilization



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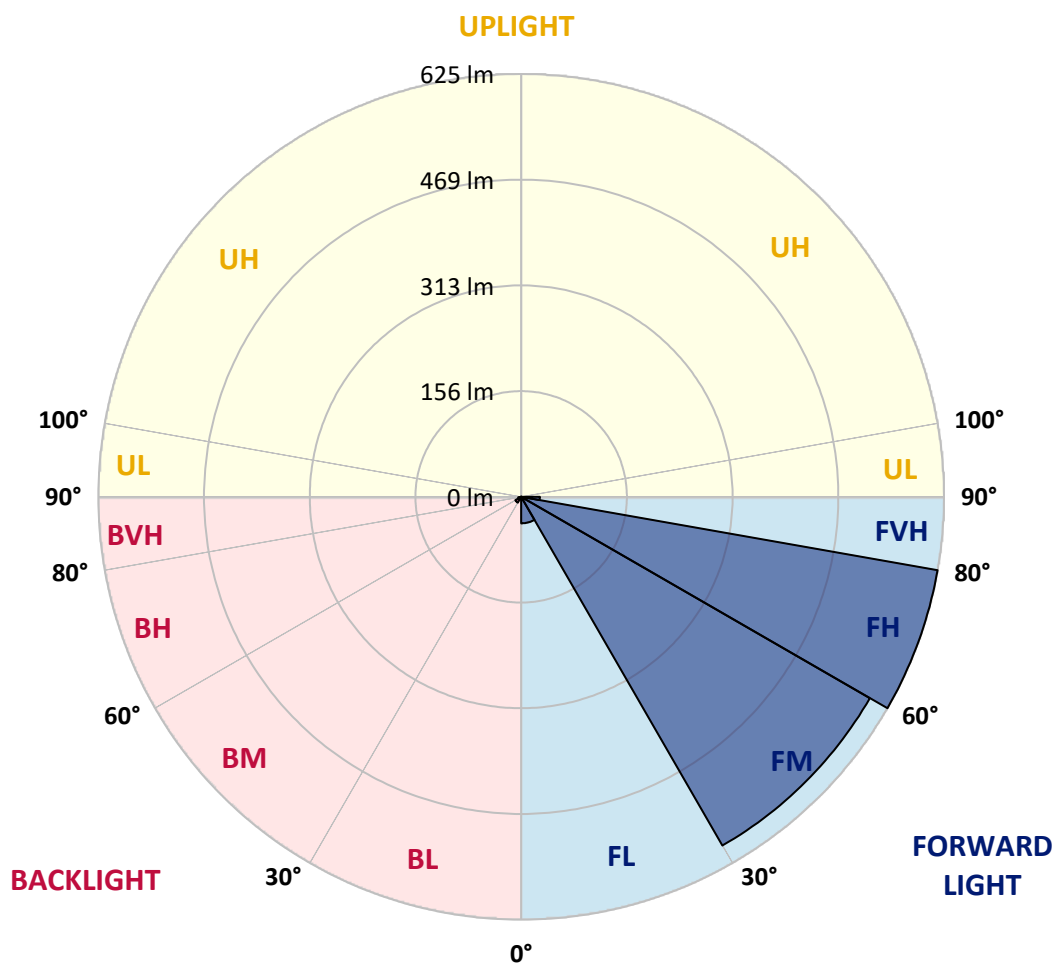
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	39.2	3.0			
FM	(30°-60°)	595.4	45.6			
FH	(60°-80°)	625.2	47.9			G0/660
FVH	(80°-90°)	27.6	2.1			G1/100
BL	(0°-30°)	4.0	0.3	B0/110		
BM	(30°-60°)	9.9	0.8	B0/220		
BH	(60°-80°)	4.4	0.3	B0/110		G0/110
BVH	(80°-90°)	0.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
2.5°	22.4	22.4	22.4	21.9	21.5	21.5	21.1	20.7	20.7	20.7	20.3
5°	30.4	29.1	28.3	27.0	26.2	26.2	25.3	24.9	24.5	24.1	23.2
7.5°	45.2	44.7	43.9	43.5	43.0	42.6	41.4	40.9	39.7	36.3	27.9
10°	57.4	55.3	55.3	52.3	50.6	49.0	47.3	46.4	46.4	43.5	41.4
12.5°	68.8	69.2	69.6	70.1	68.8	67.9	66.7	65.0	53.6	51.1	51.1
15°	91.6	90.7	89.5	83.1	73.8	72.2	68.8	69.2	75.1	71.3	60.8
17.5°	94.9	94.9	94.1	92.8	91.2	88.2	88.6	86.1	78.1	76.4	76.0
20°	122.4	122.4	120.7	116.5	106.8	92.8	95.8	92.4	92.8	91.2	86.5
22.5°	132.9	133.4	130.0	125.3	118.6	117.7	111.0	97.1	101.3	98.7	100.0
25°	168.4	167.5	162.9	153.2	144.3	123.6	113.9	116.0	110.1	106.8	122.4
27.5°	207.2	206.4	189.5	170.1	156.1	141.8	135.0	122.8	125.3	128.3	133.4
30°	228.3	226.2	217.7	203.0	186.1	167.5	144.3	140.9	138.0	140.5	175.6
32.5°	276.0	275.6	264.2	246.4	225.8	190.7	171.3	164.6	157.4	178.5	203.8
35°	329.2	327.5	319.0	292.9	265.9	239.3	224.9	203.4	209.7	222.4	261.6
37.5°	370.9	370.9	359.5	336.3	324.1	302.1	283.6	280.2	270.5	289.1	335.5
40°	394.6	397.1	399.6	391.6	379.8	370.5	360.4	353.6	357.4	366.3	413.6
42.5°	433.4	438.0	446.0	442.3	436.8	438.9	424.1	427.9	434.7	448.2	496.7
45°	489.9	493.7	502.6	509.3	518.6	513.6	485.7	505.6	519.9	528.8	580.2
47.5°	546.1	553.2	565.1	575.2	589.9	584.9	569.3	577.7	592.1	601.3	660.8
50°	595.0	601.8	614.4	629.6	635.9	648.2	642.3	646.5	663.4	671.0	729.2
52.5°	631.7	635.1	646.1	663.4	670.1	689.1	691.7	691.2	724.1	736.0	796.7
55°	651.1	654.5	665.1	678.6	687.4	713.2	710.6	717.8	766.8	789.1	865.5
57.5°	654.9	659.2	667.6	684.5	691.7	722.0	716.1	733.0	797.1	843.1	938.5
60°	647.8	652.4	659.6	675.6	685.7	714.9	723.7	746.9	828.0	901.8	1031.8
62.5°	617.0	624.1	628.4	645.7	655.4	679.8	720.3	763.4	862.1	957.1	1130.9
65°	569.7	573.5	579.4	592.1	603.5	627.9	681.9	744.4	871.0	991.7	1188.8
66°	547.8	551.1	555.8	567.2	579.4	602.2	651.1	712.8	851.6	990.0	1190.4
67.5°	505.1	506.8	515.3	524.1	537.6	552.0	589.5	650.7	794.2	947.4	1158.8
70°	341.0	346.5	369.7	400.5	419.5	417.4	441.0	495.0	621.6	770.1	999.7
72.5°	160.4	162.0	165.0	177.2	247.3	261.6	278.1	324.5	419.9	536.4	729.6
75°	131.2	132.9	138.0	144.3	159.1	176.4	182.3	200.4	269.7	332.5	446.0
77.5°	44.7	46.0	49.4	58.7	89.9	112.7	132.9	165.4	203.0	236.3	292.4
80°	18.6	19.8	21.5	19.8	23.2	38.4	48.5	70.9	123.6	181.5	231.7
82.5°	10.1	10.5	11.8	11.0	13.5	17.7	19.0	20.7	30.0	60.8	130.0
85°	3.0	3.0	3.4	5.5	8.0	11.8	11.8	11.4	11.4	17.3	32.5
87.5°	0.8	0.8	1.3	1.7	2.5	4.2	5.1	5.1	5.5	7.2	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
2.5°	20.3	20.3	20.3	20.3	19.8	19.8	18.6	16.9	15.2	13.5	12.2
5°	22.8	21.5	21.1	21.1	19.8	19.8	19.4	18.1	13.9	11.8	10.5
7.5°	25.7	24.1	23.2	23.2	21.9	20.3	19.4	18.6	14.3	11.4	10.1
10°	40.5	33.8	29.1	27.9	26.2	24.1	22.8	22.8	16.9	13.5	12.2
12.5°	49.4	46.8	43.9	41.8	30.4	27.4	26.2	22.8	17.7	13.1	11.4
15°	56.5	52.7	49.4	48.5	48.1	36.7	31.6	28.7	20.7	16.9	13.9
17.5°	81.4	65.0	59.5	59.1	53.6	40.5	35.0	28.7	22.4	16.9	13.9
20°	86.1	79.8	70.9	72.6	73.4	64.1	50.2	39.2	29.5	22.4	16.9
22.5°	110.6	107.2	101.7	100.0	84.0	73.4	54.4	46.0	32.1	22.4	16.9
25°	126.6	124.5	131.7	130.4	121.1	102.1	74.7	54.9	40.1	25.7	19.0
27.5°	157.8	168.0	154.0	158.2	140.5	122.8	98.3	67.9	42.6	27.0	19.4
30°	179.3	193.7	203.0	200.4	177.7	143.1	109.3	76.8	46.4	27.0	20.3
32.5°	225.3	235.1	236.7	231.7	218.2	180.6	130.8	88.2	48.5	27.9	21.5
35°	268.0	292.4	292.0	292.9	265.9	222.4	158.2	94.9	51.9	27.9	21.5
37.5°	350.3	363.8	362.1	361.7	331.7	271.8	186.5	114.8	55.7	27.9	21.1
40°	429.6	446.0	445.6	441.0	409.3	330.8	234.2	130.8	59.5	28.7	19.8
42.5°	506.4	514.0	526.7	528.3	474.3	398.8	282.7	152.8	63.7	29.5	19.0
45°	586.6	578.1	602.2	600.5	550.7	470.9	324.1	178.5	70.5	28.7	17.7
47.5°	667.6	665.9	686.6	671.4	634.3	557.0	383.2	205.9	74.7	27.4	16.5
50°	739.3	752.8	754.5	732.2	713.2	641.4	461.2	242.6	83.1	25.3	15.6
52.5°	802.2	824.2	802.2	797.6	796.7	708.5	527.1	275.6	91.2	23.2	14.3
55°	880.7	896.7	884.9	886.6	895.1	822.5	608.1	336.3	105.1	21.1	13.1
57.5°	981.1	1013.2	1006.5	1036.0	1037.7	983.7	723.3	405.5	121.5	19.4	11.8
60°	1114.5	1193.4	1231.8	1264.7	1226.7	1159.2	851.2	462.9	134.6	17.7	10.5
62.5°	1267.7	1397.6	1466.0	1503.1	1398.5	1254.2	903.1	487.4	137.6	15.6	9.3
65°	1355.4	1517.9	1609.1	1611.6	1511.6	1282.9	910.7	486.6	134.6	13.5	8.0
66°	1363.5	1533.5	1623.4	1615.8	1531.8	1286.2	905.6	479.0	131.7	12.7	7.6
67.5°	1334.3	1504.4	1593.5	1579.1	1519.6	1267.3	872.3	459.6	125.8	11.4	7.2
70°	1182.4	1335.2	1425.5	1406.1	1410.3	1155.4	732.2	392.0	109.7	9.3	6.3
72.5°	932.2	1103.9	1143.6	1129.3	1155.0	854.5	517.4	275.1	81.9	7.6	5.5
75°	625.4	797.1	824.6	813.2	732.2	430.4	205.5	116.0	42.6	6.3	4.6
77.5°	376.8	502.2	495.0	496.3	392.0	174.7	38.8	27.0	14.3	5.1	3.4
80°	275.6	348.6	362.9	371.8	307.6	114.4	21.5	16.0	8.4	3.8	2.5
82.5°	223.7	312.3	347.3	350.7	278.5	90.7	16.5	12.7	6.3	3.0	1.7
85°	61.2	159.5	197.1	186.9	118.6	30.8	11.8	8.4	4.2	2.1	1.7
87.5°	14.3	36.3	46.0	47.3	33.8	11.4	10.1	8.0	3.0	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
2.5°	11.8	11.4	11.0	10.5	10.5	10.1	10.1	10.1	9.7	10.1	10.1
5°	10.1	9.7	9.3	8.9	8.4	8.4	8.4	8.9	9.3	9.3	9.3
7.5°	9.7	8.9	8.4	8.4	8.4	5.9	4.2	3.8	3.8	3.8	4.2
10°	10.1	8.9	9.3	5.1	3.4	3.4	3.4	3.4	3.4	4.6	5.5
12.5°	10.5	9.7	5.5	5.1	4.6	4.2	5.1	4.6	4.6	5.1	5.1
15°	12.2	7.6	5.9	5.1	5.9	6.3	5.9	5.5	4.6	4.6	5.5
17.5°	10.1	7.6	6.8	7.6	7.6	6.3	5.5	6.3	6.3	5.9	5.5
20°	12.2	10.5	9.3	8.0	7.2	6.8	7.2	6.3	5.9	5.9	6.3
22.5°	13.1	11.4	11.8	10.5	9.7	7.6	7.2	6.3	6.8	6.3	6.3
25°	16.0	16.0	13.9	11.0	10.1	8.9	8.4	6.8	6.8	5.9	6.3
27.5°	17.3	15.6	13.9	12.7	11.4	8.9	8.4	7.2	6.3	6.3	5.5
30°	18.1	16.0	14.3	12.7	11.0	9.7	8.4	7.2	6.3	5.9	5.9
32.5°	19.4	16.9	13.9	11.8	10.5	8.9	8.4	6.8	5.9	5.1	5.1
35°	18.1	15.6	13.5	11.8	9.7	8.4	7.6	6.3	5.1	5.1	4.6
37.5°	16.9	14.3	12.2	11.0	9.3	7.6	6.8	5.5	4.6	4.2	4.2
40°	16.0	13.5	11.4	9.7	8.0	6.8	5.9	4.6	3.8	3.4	3.4
42.5°	14.8	12.2	10.1	8.4	7.2	5.9	5.1	3.8	3.0	2.5	2.5
45°	13.9	11.4	9.3	7.6	5.9	5.1	3.8	3.0	2.1	1.7	1.7
47.5°	13.1	10.5	8.0	6.3	5.1	4.2	3.0	2.1	1.3	1.3	0.8
50°	11.8	9.3	7.2	5.5	4.2	3.4	2.1	1.3	0.8	0.4	0.4
52.5°	11.0	8.0	6.3	4.6	3.4	2.5	1.7	0.8	0.4	0.4	0.4
55°	9.7	7.2	5.5	3.8	3.0	1.7	0.8	0.4	0.4	0.4	0.4
57.5°	8.4	5.9	4.6	3.4	2.1	1.3	0.8	0.4	0.4	0.4	0.0
60°	7.2	5.1	3.8	2.5	1.7	0.8	0.4	0.4	0.4	0.4	0.0
62.5°	6.3	4.2	3.0	2.1	1.3	0.8	0.4	0.4	0.4	0.4	0.0
65°	5.5	3.4	2.5	1.7	0.8	0.8	0.4	0.4	0.4	0.4	0.0
66°	5.1	3.4	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.0
67.5°	4.6	3.0	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	4.2	2.5	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	3.8	2.1	1.3	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	2.5	1.3	1.3	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
77.5°	1.7	1.3	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
80°	1.7	1.3	1.3	1.3	1.3	1.3	0.4	1.3	1.3	1.3	0.8
82.5°	1.3	1.3	1.3	1.3	1.7	1.7	0.4	1.7	1.7	1.3	1.3
85°	1.3	1.3	1.3	1.7	1.7	2.1	0.4	1.7	1.7	1.7	1.7
87.5°	1.3	1.7	1.7	1.7	2.1	2.1	0.8	2.1	2.1	2.1	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	15.6	15.6	15.6	15.6	15.6
2.5°	10.1	10.5	10.5	11.0	11.0
5°	8.4	8.4	7.6	7.6	7.2
7.5°	4.2	4.2	4.6	4.6	4.6
10°	5.9	6.3	6.3	6.3	6.8
12.5°	5.1	5.5	5.9	5.9	5.9
15°	5.9	6.3	6.8	6.8	6.8
17.5°	5.5	5.5	5.9	5.9	6.3
20°	6.3	6.3	6.3	6.3	6.3
22.5°	5.5	5.5	6.3	6.8	6.8
25°	6.3	5.9	5.9	6.3	5.9
27.5°	5.5	5.9	6.3	6.3	6.3
30°	5.5	5.5	5.5	5.5	5.9
32.5°	5.5	5.5	5.5	5.5	5.5
35°	4.6	5.1	5.1	5.5	5.5
37.5°	4.2	4.2	4.6	4.6	4.6
40°	3.4	3.4	3.4	3.8	3.8
42.5°	2.5	2.5	2.5	3.0	2.5
45°	1.7	1.7	1.7	1.7	1.7
47.5°	0.8	0.8	1.3	1.3	1.3
50°	0.4	0.4	0.8	0.8	0.8
52.5°	0.4	0.4	0.4	0.8	0.8
55°	0.4	0.4	0.4	0.4	0.8
57.5°	0.0	0.4	0.4	0.4	0.4
60°	0.0	0.4	0.4	0.4	0.4
62.5°	0.0	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
66°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.8
72.5°	0.4	0.4	0.8	0.4	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	1.3	1.3	0.8	0.8
82.5°	1.3	1.3	1.3	1.3	0.8
85°	1.3	1.3	1.7	1.7	0.8
87.5°	1.7	1.7	1.7	1.7	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)